



## Stormwater Management Plan Instructions: To Accompany All Grading Permit Applications

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In order to comply with the federal Clean Water Act, the state Water Code and County Ordinances, the County of San Diego requires that property owners complete a Stormwater Management Plan prior to issuance of any Grading Permit. The purpose of a Stormwater Management Plan is to document Best Management Practices (BMPs) that will be implemented to prevent pollutants (including sediment) from entering stormwater conveyances and receiving waters. The Stormwater Management Plan becomes a part of the Grading Permit and is subject to enforcement by County inspectors and others.

Stormwater Management Plans include the elements described in the following sections:

**Section 1: Required Information** - This section is used to provide the County with basic information necessary to evaluate and prioritize project activities. Each of the items in this section must be completed, except that projects with less than 5 acres of disturbed area are not required to have a Waste Discharge Identification Number (WDID). Grading projects with a disturbed area of greater than 5 acres must also meet additional requirements from the State Water Resources Control Board (SWRCB). Those additional requirements include filing a Notice of Intent (NOI) and preparation of a Stormwater Pollution Prevention Plan (SWPPP).

Please note that watercourses and waterbodies include ephemeral drainages (i.e., those that are dry during part of the year).

**Section 2: Best Management Practices** - Best Management Practices (BMPs) must be selected and implemented to prevent erosion and construction-related materials, sediment, wastes and spills from entering stormwater conveyances and receiving waters.

**Note: It is the responsibility of the property owner and the contractor to determine the types of BMPs that will be used, as well as the levels of application necessary to comply with the County's Stormwater and Grading Ordinances. Failure to prevent soil erosion and discharges of sediment and other pollutants from construction sites is subject to enforcement by the County or others. At a minimum, the County requires that the BMPs listed in Table A (attached) be installed and maintained for all grading projects. Additional BMPs listed in Table B (attached) may also be required in correlation to a project's scope, potential for discharges and proximity to a watercourse or other receiving waters.**

**Section 3: Certification** - The property owner must sign this section certifying that they understand the County's minimum requirements for stormwater management of construction activities and will implement, monitor and maintain the selected BMPs to ensure their effectiveness.

A County BMP manual can be found at the DPW and DPLU Permit Counters. The Manual includes all of the referenced BMPs listed in Tables A, B and C from the *Caltrans Storm Water Quality Handbooks* and *California Stormwater BMP Handbook for Construction*. The entire manuals may also be ordered directly from the following sources:

Caltrans Manuals  
Caltrans Publications unit  
(916)445-3520  
(916)324-8997 Fax

CA Stormwater BMP handbook  
BPS Reprographic Services  
1700 Jefferson St  
Oakland, CA, 94612  
(510)287-5485  
(510)444-1262 Fax



# County of San Diego

## STORMWATER MANAGEMENT PLAN

**This form must be submitted with all Grading Permit Applications.**

### SECTION 1. Required Information

Grading Permit Application Number:

Project Name:

Project address or location:

APN #:

Name of project contact:

Phone # of project contact:

Estimated project start date:

Estimated project finish date:

Estimated grading start date:

Estimated grading finish date:

Estimated amount of disturbed acreage: \_\_\_\_\_ acres (If equal to or greater than 5 acres, you must also provide a WDID number from the SWRCB.) **WDID** \_\_\_\_\_

Are there any watercourses or waterbodies within 50 feet of the limits of soil disturbance? YES \_\_\_\_ NO \_\_\_\_

### SECTION 2. Best Management Practices

#### Best Management Practices

The goal of stormwater management planning is to reduce pollution to the maximum extent practicable by implementing Best Management Practices (BMPs). There are five categories of BMPs: 1) Erosion control practices, and; 2) Velocity reduction, and; 3) Sediment control practices, and; 4) Offsite sediment tracking control, and; 5) General site and materials management. BMPs from each of the five categories must be used together as a **system** in order to prevent erosion, sediment, wastes, spills, and residues from leaving the site. When properly implemented, monitored and maintained, BMPs will function to prevent pollutants (including sediment) from leaving the site. It is the responsibility of the property owner and the contractor to determine the types of BMPs that will be used, as well as the levels of application necessary to comply with the County's Stormwater and Grading Ordinances.

#### Best Management Practice Tables

Tables A and B (attached) must be used to indicate those BMPs that will be used to prevent stormwater pollution. At a minimum, the County requires that the BMPs listed in Table A be installed on all grading projects. However, some BMPs may not be applicable to every project. For example, if storm drain inlets are not present, then Storm Drain Inlet Protection (BMP CD40) would not be applicable.

#### Grading Plan Best Management Practice Checklist

The following information shall be shown on the grading plans:

- q** The project boundaries.
- q** The footprint of any existing structures and facilities.
- q** The footprint of all structures and facilities to be constructed.
- q** The limits of grading.
- q** The existing and proposed grades of the site, along with any intermediate grades that will significantly affect site drainage patterns.
- q** The location(s) where runoff from the site may enter storm drain(s), channel(s), and/or receiving waters.

Please note that each of the items identified by a star (⋄) in Tables A and B must be included on the grading plans, and labeled with the designation found in the tables (for example, CD26B).

### SECTION 3. Certification

#### *The following certification must be signed before a Grading Permit will be issued.*

I have read and understand that the County of San Diego has adopted minimum requirements for stormwater management of construction activities. I certify that the BMPs I have selected in Tables A and B will be implemented to effectively minimize the potentially negative impacts of this project's construction activities on stormwater quality. I further agree to install, monitor, maintain or revise the selected BMPs to ensure their effectiveness.

I also understand that non-compliance with the County's Stormwater and Grading Ordinances may result in enforcement by the County, including fines cease and desist orders or other actions.

Property owner

Date

**TABLE A: MINIMUM REQUIRED CONSTRUCTION BMPs**

Minimum Required Best Management Practices	(«) If used, these BMPs must be shown on the grading plan.	CALTRANS Stormwater Quality Handbooks	California Storm-water BMP Handbook for Construction	Will BMP Be Used?		If No, State Reason
				Yes	No	
1. Erosion Control (select one or more as needed)						
Vegetation Stabilization Planting (see note 1)	«	CD24B	ESC10			
Hydraulic Stabilization Hydroseeding (see note 1)	«	CD24B	ESC10			
Bonded Fiber Matrix (see note 2)	«	CD25	ESC11			
Physical Stabilization Straw Blanket (see note 2)	«	CD26B CD43	ESC20			
Coconut Fiber Blanket (see note 2)	«	CD26B CD43	ESC20			
Geotextile Fabric (see note 2)	«	CD26B CD43	ESC20			
2. Velocity Reduction (select one)						
Energy Dissipator Outlet Protection (see note 3)	«	CD33A	ESC40			
3. Sediment Control (select one or more as needed)						
Silt Fence	«	CD36	ESC50			
Straw Wattles	«	-	-			
Gravel Bags	«	CD38	ESC52			
Storm Drain Inlet Protection	«	CD40	ESC54			
4. Offsite Sediment Tracking Control (select one or more as needed)						
Stabilized Construction Entrance	«	CD29A	ESC24			
Construction Road Stabilization	«	CD29B	ESC23			
Entrance / Exit Tire Wash	«	CD29C	ESC24			
Entrance / Exit Inspection & Cleaning Facility	«	-	-			
5. General Site Management (select one or more as needed)						
Materials Management Material Delivery & Storage		CD10	CA10			
Waste Management Concrete Waste Management		CD16	CA23			
Solid Waste Management		CD13	CA20			
Sanitary Waste Management		CD17	CA24			
Hazardous Waste Management		CD14	CA21			

**Notes:**

1. When Planting or Hydroseeding are selected for erosion control, the vegetative cover must be established by October 1<sup>st</sup>. If in the opinion of the County Official the vegetative cover is not established by October 1<sup>st</sup>, additional hydraulic or physical erosion control BMPs will be required.
2. These BMPs are temporary measures only when used without planting or hydroseeding. All slopes must have established vegetative cover prior to final grading approval.
3. Regional Standard Drawing D-40 - Rip Rap Energy Dissipator is also acceptable for velocity reduction.

**TABLE B: ADDITIONAL CONSTRUCTION BMPs**

Additional Best Management Practices	(«) If used, these BMPs must be shown on the grading plan.	CALTRANS Stormwater Quality Handbooks	California Stormwater BMP Handbook for Construction	Will BMP Be Used?		If No, State Reason
				Yes	No	
<b>Erosion Control</b>						
Site Development Considerations		CD22	ESC1			
Scheduling						
Preservation of Existing Vegetation	«	CD23	ESC2			
Other (submit description for approval)	«					
<b>Vegetation Stabilization</b>		CD30	-			
Vegetation Buffer Strips	«					
Other (submit description for approval)	«					
<b>Physical Stabilization</b>		-	ESC21			
Dust Control	«					
Soil Stabilizers	«	CD26A				
Other (submit description for approval)	«					
<b>Diversion of Runoff</b>		CD31	ESC31			
Earthen Dikes	«					
Ditches and Berms	«	CD32B	-			
Slope Drains	«	CD32A	ESC32			
Temporary Drains & Swales	«	CD31	ESC31			
Other (submit description for approval)	«					
<b>Velocity Reduction</b>						
Check Dams	«	CD34	ESC41			
Slope Terracing	«	CD35	ESC42			
Other (submit description for approval)	«					
<b>Sediment Control</b>						
Brush or Rock Filter	«	CD39	ESC53			
Sediment Trap	«	CD41	ESC55			
Sediment Basin	«	CD42	ESC56			
Other (submit description for approval)	«					
<b>General Site Management</b>						
Employee & Subcontractor Training		-	CA40			
<b>Materials Management</b>		CD12	CA12			
Spill Prevention & Control						
Other (submit description for approval)						
<b>Waste Management</b>		CD15	CA22			
Contaminated Soil Management						
Other (submit description for approval)						
<b>Vehicle and Equipment Management</b>		CD18	CA30			
Vehicle & Equipment Cleaning						
Vehicle & Equipment Fueling		CD19	CA31			
Vehicle & Equipment Maintenance		CD20	CA32			
<b>Construction Practices</b>		CD4	-			
Water Conservation						
Structure Construction & Painting		CD9	CA3			
Paving Operations		CD8	CA2			
Dewatering Operations		CD7	CA1			
Other (submit description for approval)						